

SOUTHERN ROCKY MOUNTAIN AREA - CARLSBAD NEW MEXICO
MINE EXAMINATION REPORT

Lease No. Laguna Tribal Lease No. 4 Land Ownership Laguna Tribal

Lessee The Anaconda Company

Examiner Dale C. Jones & David R. Stewart Date of Examination 1/20/76

Type Operation Underground uranium mine (P-10 Underground Operations)

SW $\frac{1}{2}$, Section 4, T10N, R5W

Location Laguna Indian Reservation, Valencia County, New Mexico

Geologic Setting Tabular uranium deposits in the Jackpile sandstone unit of the Brushy Basin Member of the Jurassic Morrison Formation

Inspection Check List

Mining:

Mining Method and Present Production Routine: Modified room-and-pillar stoping method with sublevel track haulage; ore and waste transported from underground crusher to surface by conveyor belt in inclined shaft (decline @ 12°)

Shifts Operated: 2 shifts/day (8 hrs/shift), 5 days/week

Ground Control: Rock bolts & wire mesh; timber and/or steel sets when needed

Ventilation: Currently being modified due to incorporation of the P-7 mine area

Concentrator: 3500 tpd acid-leach mill near Grants, New Mexico

Conservation:

Comments: Mining and reclamation plan for all Jackpile-Paguate open-pit and underground operations forthcoming

Confidential Claim Retracted

Authorized by: SC

Date: 9/20/13



RECLAMATION AND ANTI-POLLUTION CONTROL

Restoration of Surface: None

Seeding & Fertilizing None

Dust Control: Wetting of dusty areas

Fume Control: Exhaust purifiers on all diesel equipment operated underground

Mine ~~XXXXXX~~ Water Disposal: Water pumped from underground to surface (approx. 40-60 gpm) where it is impounded on the floor of the Paguate Open-Pit for evaporation and/or suppression of dust on haulage roads and dusty pit areas.

Comments: Mining and reclamation plan for all Jackpile-Paguate open-pit and underground operations forthcoming

Production Check:

Tonnage Check: None

Daily Tonnage: Approximately 700 tpd; incorporation of the P-7 mine area should increase this to 1050 tpd

Lease Term Violations: None

MINE EXAMINATION REPORT

Lease No. 4

Land Ownership Laguna Tribal

Lessee The Anaconda Company

Examiner M. J. Mudgett

Date of Examination 10/8/74

Type Operation uranium mine - P-9-2 underground operations

Location T. 10 N., R. 5 W., sec. 4; NE 1/4 SW 1/4 - 8.5 miles north of Laguna, N.M.

Geologic Setting Tabular uraniferous ss deposits in the packpile ss unit of the Brushy Basin member of the Jurassic Morrison Fm.

Inspection Check List

Mining:

Mining Method and Present Production Routine: modified sublevel room and pillar method with trackless haulage and tunnel adit.

Shifts Operated: 9 employees, 2 8-hour shifts daily - 5 days a week

Ground Control: Rock bolting and steel or timber sets where necessary.

Ventilation: Adit portal fan forcing 28,000 cfm through mine workings and up a 48" diameter ventilation shaft equipped with a 75 HP fan exhausting 34,000 cfm.

Concentrator: 3000 tpd acid-leach

Conservation:

Comments:

First ^{fully} mined traversed by south adit (1) and substantially developed for stoping. West adit (2) portal completed - one set in solid. Ore now stockpiled near mine and trucked to crusher for separate rail shipment to mill in order to meet royalty requirements of lease No. 4 which are different from those of lease No. 1.

MESA health and safety report of 4/25/74, showed no regulatory violations.

RECLAMATION AND ANTI-POLLUTION CONTROL

Restoration of Surface: *All disturbed surface areas will be reclaimed and revegetated upon completion of mining operations.*

Seeding & Fertilizing

Dust Control: *Dusty areas are kept damp.*

Fume Control: *Properly maintained exhaust purifiers on all diesel-powered equipment operated underground.*

Mine or Mill Water Disposal: *No ground water. Surface runoff diverted by peripheral ditches around mine openings and impounded for evaporation on floor of small open-pit.*

Comments:

Production Check:

Tonnage Check: *None*

Daily Tonnage: *66 tons*

Lease Term Violations: *None*